



**Caledonian**

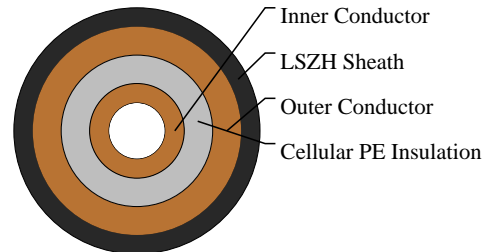
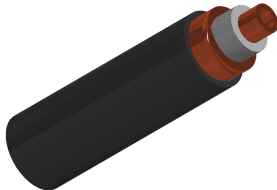
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## K26 LSZH 50Ohm Coaxial Cables

RS/K26-F-HCTAYZ-50-22(7/8")



## APPLICATIONS

The 50 Ohm cables are HF transmission coaxial cables for GSM antennas. The Halogen-free cables are suitable for laid on hooks, and pulled through walls or through technical ducts.

## STANDARDS

RATP K26

Fire Performance: NF C 32070.2.2

## CABLE CONSTRUCTION

Inner Conductors: Flexible Type (F)-red copper tube.

Dielectric: Cellular PE insulation.

Outer Conductor: Corrugated copper tube.

Outer sheath: LSZH

## PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 7.5xOD

Temperature Range: 50 ohm cables: -40°C to +85°C (during operation); -20°C to +60°C (during installation);

## Electrical Properties

Electrical Characteristics at 20°C:

Type of Cable: 7/8" F inch

Impedance: 50 Ω

Attenuation

@10MHz: 0.34 dB/100m

@150MHz: 1.45 dB/100m

@200MHz: 1.69 dB/100m

@450MHz: 2.61 dB/100m

@900MHz: 3.81 dB/100m

@1000MHz: 4.04 dB/100m

@1500MHz: 5.08 dB/100m

@1700MHz: 5.45 dB/100m



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## Railway Cables

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### Average Power Rating

@10MHz:28 KW

@150MHz:7 KW

@200MHz:6 KW

@450MHz:3.88 KW

@900MHz:2.65 KW

@1000MHz:2.5 KW

@1500MHz:1.99 KW

@1700MHz:1.85 KW

Velocity of Propagation:88%

### DIMENSION AND PARAMETERS

Conductor Diameter	Nominal Outer Conductor Diameter	Nom. Overall Diameter	Approx. Weight
mm	mm	mm	kg/km
9	24.8	27.75	575



Acid & Alkaline Resistant



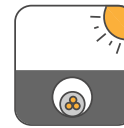
Fire Retardant  
NF C32-070.2.2.(C1)  
IEC60332-3-24/EN50266-2.4



Flame Retardant  
NF C32-070.2.1.(C2)  
IEC60332-1-2/EN50265-2.1



Impact Resistant



Laid In Ducts



Low Corrosivity  
IEC60754-2/EN50267-2.2/3  
NF C32-074/NF C20-453



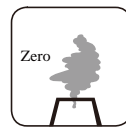
Low Smoke Emission  
IEC 61034.2 / EN 50268-2  
NF C32-073/NF C 20-902



Low Toxicity



Mineral Oil Resistant



Zero Halogen  
IEC 60754-1/EN 50267-2-1  
NF C20-454